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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/882,113	06/15/2001	Shuo-Yen Robert Li	Li 4	9816	
570	7590 11/16/2005		EXAM	EXAMINER	
	IP STRAUSS HAUE	PHAN,	PHAN, TRI H		
	IERCE SQUARE ET STREET, SUITE 22	00	ART UNIT	PAPER NUMBER	
	PHIA, PA 19103		2661		

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Antique Occurrence		09/882,113	LI ET AL.			
Office Action Summar	y	Examiner	Art Unit			
		Tri H. Phan	2661			
The MAILING DATE of this com Period for Reply	munication appe	ars on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD WHICHEVER IS LONGER, FROM THE Extensions of time may be available under the provafter SIX (6) MONTHS from the mailing date of this If NO period for reply is specified above, the maxim Failure to reply within the set or extended period for Any reply received by the Office later than three moderned patent term adjustment. See 37 CFR 1.704	HE MAILING DA visions of 37 CFR 1.136 communication. turn statutory period will r reply will, by statute, conths after the mailing of	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim I apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	l. ely filed the mailing date of this communication. (35 U.S.C. § 133).			
Status						
1) Responsive to communication(s	s) filed on <i>15 Jul</i>	v 2005.				
2a) ☐ This action is FINAL .	•					
3) Since this application is in cond	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)	s/are withdrawn rejected.	from consideration.				
Application Papers						
9) The specification is objected to be 10) The drawing(s) filed on is. Applicant may not request that any	/are: a) ☐ accept objection to the did uding the correction	oted or b) objected to by the E rawing(s) be held in abeyance. See on is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892)		4) 🔲 Interview Summary	(PTO-413)			
 Notice of References Cited (PTO-692) Notice of Draftsperson's Patent Drawing Reviols Information Disclosure Statement(s) (PTO-14-Paper No(s)/Mail Date 6/17/2005. 		Paper No(s)/Mail Da				

DETAILED ACTION

Response to Amendment/Arguments

1. This Office Action is in response to the Response/Amendment filed on July 15th, 2005.

Claims 1-39 are now canceled. Claims 40-78 are now pending in the application.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

2. Claims 40, 42, 51, 55, 58, 61, 64, 68, 70, 73, and 76-78 is rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Regarding claim 40, the limitation "A method for configuring an equivalent 2nx2n k-stage bit-permuting network based on a given 2nx2n k-stage bit-pennuting network having a representation ..., the method comprising:" is considered as field of use (preamble); the limitation "specifying a permutation k on integers from 1 to n that preserves n, and" is considered as data gathering; and the limitation "implementing the equivalent network as ..., or k." is considered as in significant post solution.

The claim 1 in question can be considered in view of *Walter*, 205 USPQ 397 at 407, (CCPA, 1980), "if the end-product of a claimed invention is a pure number, as in *Bension and Flook*, the invention is non-statutory regardless of any post-solution activity which makes it

Application/Control Number: 09/882,113 Page 3

Art Unit: 2661

available for use by a person or machine for other purposes." and "Also, in Walter, a Jepson preamble was not regarded as limiting the "subject matter as a whole," so as to avoid the > 35 U.S.C.< 101 rejection. Similar, preliminary data gathering step may not affect the "subject matter as a whole" assessment."

Claim 1 is directed to the nonstatutory processes, which comprise the method for "specifying a permutation k on integers from 1 to n that preserves n, and implementing the equivalent network as ..., or k.", that do nothing more than solve mathematic problems, i.e. specifying a permutation k on integer and implementing the equivalent network, which do nothing more than consist solely of mathematical operations without practical application, or manipulate abstract ideas or concepts are more complex to analyze; and the "acts" of the claimed process are not being applied to appropriate subject matter and thus cannot constitute a statutory process.

Same 35 U.S.C. 101 rejection's reason for claims 42, 51, 55, 58, 61, 64, 68, 70, 73, and 76-78.

Allowable Subject Matter

3. Claims 41, 43, 45-47, 52-54, 56-57, 59-60, 62-63, 65-67, 69, 71-72, and 74-75 are rejected by virtue of their dependence from claims 40, 42, 51, 55, 58, 61, 64, 68, 70, 73, and 76-78 as in Part 2 above of this Office action and.

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tri H. Phan, whose telephone number is (571) 272-3074. The examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T. Nguyen can be reached on (571) 272-3126.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571) 273-8300

Hand-delivered responses should be brought to Randolph Building, 401 Dulany Street, Alexandria, VA 22314.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office, whose telephone number is (571) 272-2600.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

Art Unit: 2661

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

BRIAN NGUYEN

Tri H. Phan November 9, 2005